

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY S.H.A..

ITEM NO.	DESCRIPTION	QUANTITY
9041	Cabinet local master w/ telemetry and controller with two 4 channel rack mounted loop detectors.	1 EA
9086	Video detection interface equipment: 1-4 cameras (To be installed by signal shop).	1 EA

B. EQUIPMENT TO BE SUPPLIED BY S.H.A.. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	QUANTITY
1001	Maintenance of traffic per assignment.	1 EA
8004	Remove and dispose of existing material and equipment per assignment.	1 EA
8008	1 inch galvanized electrical conduit - detector sleeve	25 LF
8022	Microloop probe - 1000 foot lead in cable	2 EA
8026	Video detection camera	4 EA
8031	Saw cut for loop detector	30 LF

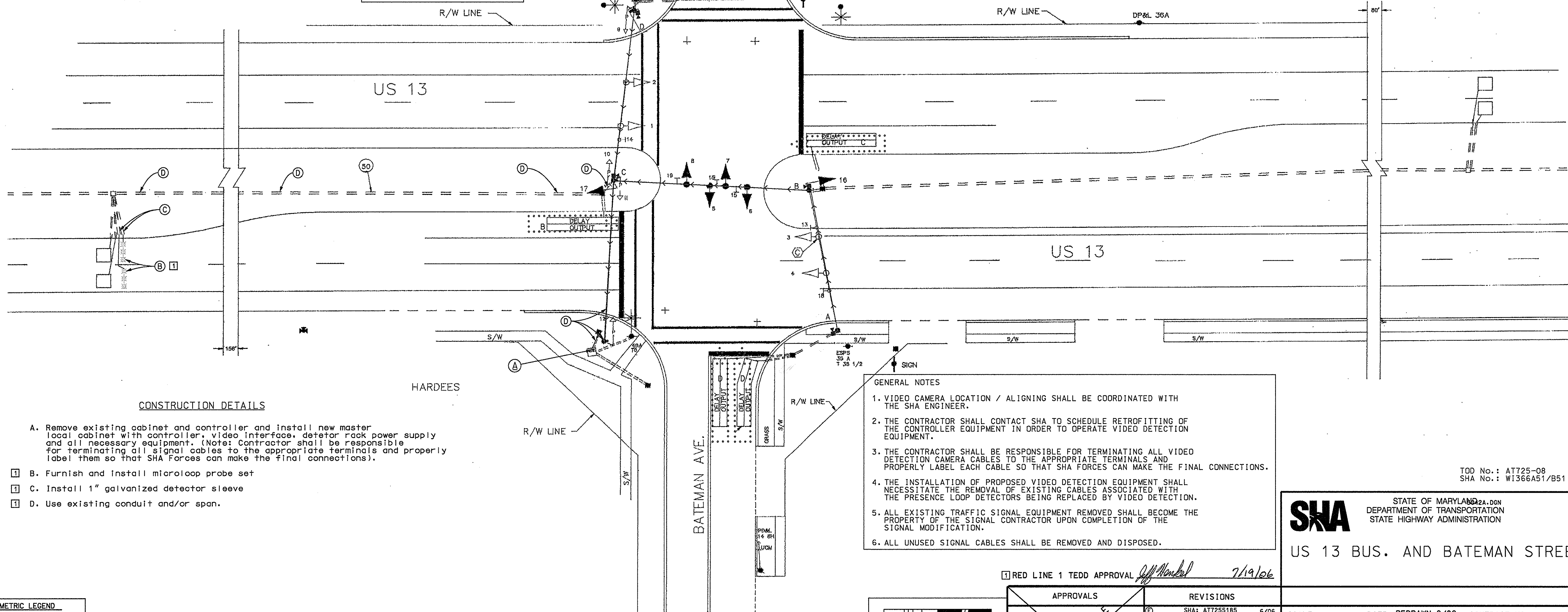
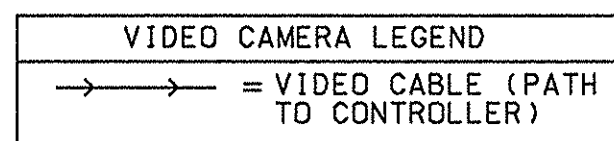
EQUIPMENT LIST (CONT)

B. EQUIPMENT TO BE SUPPLIED BY S.H.A.. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY THE CONTRACTOR.

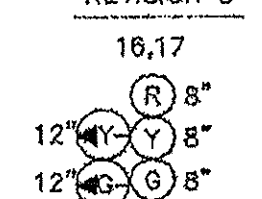
ITEM NO.	DESCRIPTION	QUANTITY
8027	Control cable, 250', video detection camera to controller	3 EA
8028	Control cable, 500', video detection camera to controller	1 EA
8032	Install controller and cabinet base mount.	1 EA

C. EQUIPMENT TO BE REMOVED

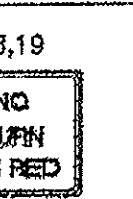
SHA Forces shall remove the controller and all auxiliary equipment from the controller cabinet. The cabinet and all other removed signal materials are to become property of the contractor.



REVISION D



SIGNS



SIGNALS



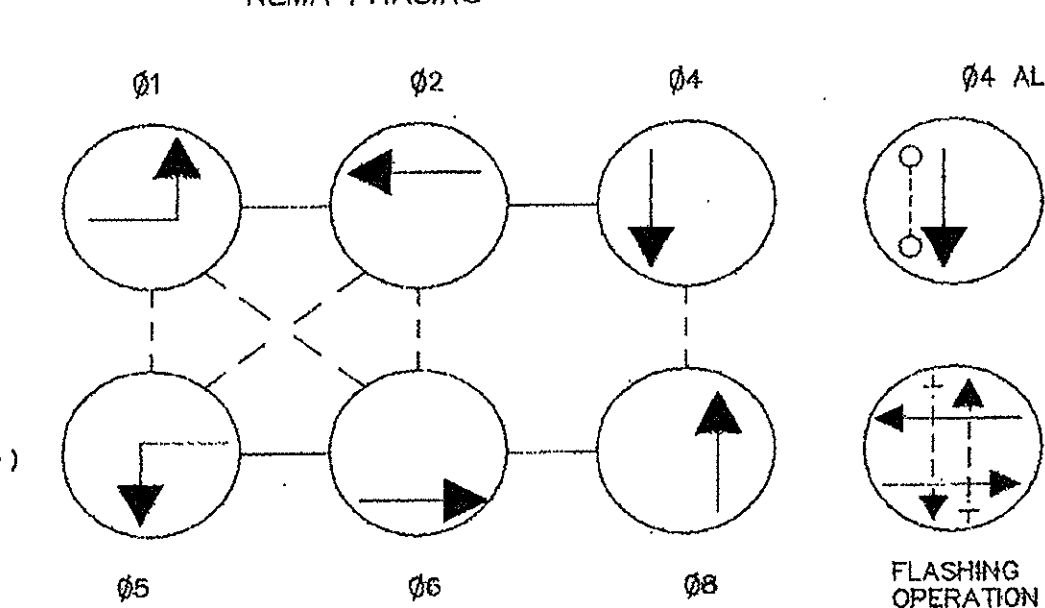
REVISION E



PROPOSED CAMERAS

VIDEO DETECTION CAMERA (A-D)

NEMA PHASING



NEMA PHASING NOTES

- PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.

CONSTRUCTION DETAILS

A. Remove existing cabinet and controller and install new master local cabinet with controller, video interface, detector rack power supply and all necessary equipment. (Note: Contractor shall be responsible for terminating all signal cables to the appropriate terminals and properly label them so that SHA Forces can make the final connections).

- Furnish and install microloop probe set
- Install 1" galvanized detector sleeve
- Use existing conduit and/or span.

GENERAL NOTES

- VIDEO CAMERA LOCATION / ALIGNING SHALL BE COORDINATED WITH THE SHA ENGINEER.
- THE CONTRACTOR SHALL CONTACT SHA TO SCHEDULE RETROFITTING OF THE CONTROLLER EQUIPMENT IN ORDER TO OPERATE VIDEO DETECTION EQUIPMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TERMINATING ALL VIDEO DETECTION CAMERA CABLES TO THE APPROPRIATE TERMINALS AND PROPERLY LABEL EACH CABLE SO THAT SHA FORCES CAN MAKE THE FINAL CONNECTIONS.
- THE INSTALLATION OF PROPOSED VIDEO DETECTION EQUIPMENT SHALL NECESSITATE THE REMOVAL OF EXISTING CABLES ASSOCIATED WITH THE PRESENCE LOOP DETECTORS BEING REPLACED BY VIDEO DETECTION.
- ALL EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVED SHALL BECOME THE PROPERTY OF THE SIGNAL CONTRACTOR UPON COMPLETION OF THE SIGNAL MODIFICATION.
- ALL UNUSED SIGNAL CABLES SHALL BE REMOVED AND DISPOSED.

TOD No.: AT725-08
SHA No.: WI366A51/B51

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

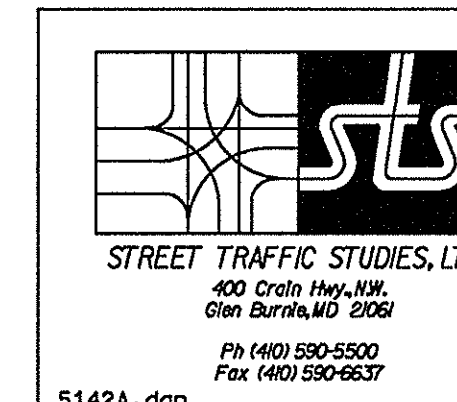
US 13 BUS. AND BATEMAN STREET

GEOMETRIC LEGEND

PROPOSED	---
EXISTING	---

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV



APPROVALS	REVISIONS
TEAM LEADER	1. SHA: AT7255185 6/06
ASST. DIV. CHIEF	2. INSTALL REDLINE VIDEO DETECTION
DIVISION CHIEF	3. CHANGED PED LENSES, MAINLINE SIGNALS RELOC PB 1/9/90
OFFICE DIRECTOR	4. REVISED DETECTION OUT TO GEO IMP 8/88

SCALE	DATE REDRAWN 8/88	CONTRACT NO.
DESIGNED BY B THOMPSON	COUNTY WICOMICO	
DRAWN BY H.I.S. M.E.M	LOGMILE 22B01303.87	
CHECKED BY A BUDNICHUK 3/77	TIMS NO. H426	
F.A.P. NO.	TOD NO.	
TS NO. 1498F	DRAWING NO. 1 OF 3	SHEET NO. OF